

WHAT IS CLAIMED IS:

1. An X-ray tomograph, comprising:

an X-ray generator having a function of moving a focal

5 position and radiating X-rays toward a subject;

an X-ray image receiving element for receiving a plurality
of transmission images of the subject formed by the X-rays radiated
from the X-ray generator while the focal position is moved; and
an image processing section for creating a tomographic image

10 by processing the plurality of transmission images of the subject
received by the X-ray image receiving element.

2. The X-ray tomograph according to claim 1,

wherein the X-ray generator is configured to make the focal
position movable on a circumference; and

15 wherein the image processing section accumulates the
transmission images of the subject corresponding to individual
focal positions of the X-ray generator to create an accumulated
image and extracts pixels having a brightness value of the
accumulated image between a prescribed upper limit threshold value
20 and a lower limit threshold value to create a tomographic image.

3. The X-ray tomograph according to claim 1 or 2,

wherein it is configured to create the tomographic image
of the subject for each of a plurality of tomographic planes which
intersect in prescribed directions and are different from one
25 another.

4. A stereoradioscopic image constructing equipment,
comprising:

the X-ray tomograph according to any one of claims 1 to 3;

and

a stereoradioscopic image constructing section for creating a stereoradioscopic image by processing the plurality of tomographic images obtained by the X-ray tomograph.

5 5. The stereoradioscopic image constructing equipment according to claim 4,

wherein the stereoradioscopic image constructing section corrects geometrical enlargement ratios of the plurality of tomographic images obtained by the X-ray tomograph and combines
10 the corrected tomographic images to create a stereoradioscopic image.